



1999 California Hydrologic Data Report

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10255550 NEW RIVER NEAR WESTMORLAND, CA

LOCATION.-Lat 33°06'17", long 115°39'49", in SW 1/4 SW 1/4 sec.19, T.12 S., R.13 E., Imperial County.
 Hydrologic Unit 18100200, on right bank, 3.5 mi upstream from mouth, and 5.2 mi northwest of Westmorland. *18100200*
 PERIOD OF RECORD.-January 1943 to current year. (Monthly discharge only, January 1943 to September 1960
 published in WSP 1734; daily discharge available in files of the U.S. Geological Survey.)
 GAGE.-Water-stage recorder. Elevation of gage is 220 ft below sea level, from topographic map.
 REMARKS.-Records good. Discharge mainly represents seepage and return flow from irrigated areas. See schematic
 diagram of Salton Sea Basin.
 EXTREMES FOR PERIOD OF RECORD.-Maximum daily discharge, 3,000 ft³/s, Aug. 17, 18, 1977, estimated by
 Imperial Irrigation District; minimum daily, 150 ft³/s, Mar. 7, 1945.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	655	628	509	573	552	738	867	811	658	648	679	562
2	657	632	521	541	570	722	937	800	671	635	636	549
3	638	623	534	562	580	728	895	837	703	628	695	544
4	614	628	522	572	594	766	813	852	704	616	734	535
5	587	622	559	610	632	793	758	891	685	627	721	552
6	601	619	560	648	627	755	799	889	674	654	773	532
7	638	621	561	636	594	738	845	897	697	642	771	544
8	662	617	556	631	540	693	927	873	677	613	749	531
9	669	611	567	623	547	724	942	821	674	663	713	532
10	680	605	579	619	571	723	901	789	698	718	717	586
11	641	618	593	580	578	769	799	793	726	725	665	621
12	623	634	620	573	570	835	722	804	743	647	668	618
13	647	601	597	585	579	852	738	812	737	670	716	612
14	647	616	576	598	590	867	737	830	713	682	709	616
15	654	599	569	611	587	837	782	820	695	738	686	563
16	658	576	603	590	600	803	806	802	688	669	655	573
17	658	578	605	552	658	757	819	757	697	607	650	642
18	656	572	568	551	683	749	777	791	697	590	661	648
19	644	607	569	546	691	796	765	776	696	630	654	673
20	628	610	550	572	689	823	791	779	727	638	671	643
21	630	592	566	572	697	816	811	769	731	635	664	622
22	645	567	601	594	613	838	793	758	707	629	624	610
23	694	547	609	640	621	841	755	756	724	654	577	662
24	742	566	617	636	639	812	784	718	721	654	568	706
25	830	586	537	623	666	883	764	697	744	653	613	711
26	747	561	493	609	646	891	773	698	693	623	658	655
27	644	520	518	607	668	863	773	720	701	647	680	635
28	689	527	553	594	678	856	763	723	675	671	663	633
29	641	521	574	582	---	802	769	728	665	697	633	606
30	601	507	598	570	---	804	819	732	666	764	591	627
31	617	---	599	571	---	821	---	689	---	760	553	---
TOTAL	20337	17711	17583	18371	17260	24695	24224	24412	20987	20427	20747	18168
MEAN	656	590	567	593	616	797	807	787	700	659	669	606
MAX	830	634	620	648	697	891	942	897	744	764	773	711
MIN	587	507	493	541	540	693	722	689	658	590	553	532
AC-FT	40340	35130	34880	36440	34240	48980	48050	48420	41630	40520	41150	36040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	641	563	547	563	598	680	728	663	592	596	614	619
MAX	837	760	707	795	789	829	953	853	763	808	913	807
(WY)	1953	1954	1963	1944	1944	1998	1993	1953	1953	1979	1977	1963
MIN	471	408	386	387	458	516	541	485	436	442	460	486
(WY)	1978	1965	1968	1978	1965	1965	1965	1964	1964	1964	1964	1970

SUMMARY STATISTICS

	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1943 - 1999	
ANNUAL TOTAL	246738		244922			
ANNUAL MEAN	676		671		617	
HIGHEST ANNUAL MEAN					741	
LOWEST ANNUAL MEAN					484	
HIGHEST DAILY MEAN	949	Mar 22	942	Apr 9	3000	Aug 17

1977							
LOWEST DAILY MEAN	493	Dec 26	493	Dec 26	150	Mar 7	
1945							
ANNUAL SEVEN-DAY MINIMUM	520	Nov 27	520	Nov 27	284	Mar 4	
1945							
ANNUAL RUNOFF (AC-FT)	489400		485800		446700		
10 PERCENT EXCEEDS	843		811		763		
50 PERCENT EXCEEDS	647		654		607		
90 PERCENT EXCEEDS	567		563		483		

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